

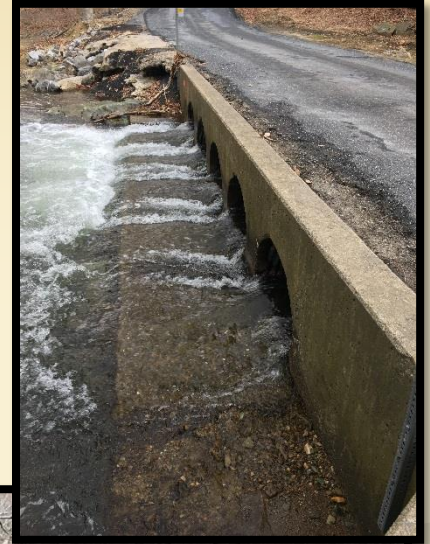


Replacement of Bridge No. 05 – 22 on Hornets Nest Road over Friends Creek

PUBLIC MEETING

Thursday, April 4, 2019

***Please Sign-in and take
a Comment Sheet***



**Frederick County Division of Public Works
Dept. of Engineering and Construction Management
Office of Transportation Engineering**



Project Team

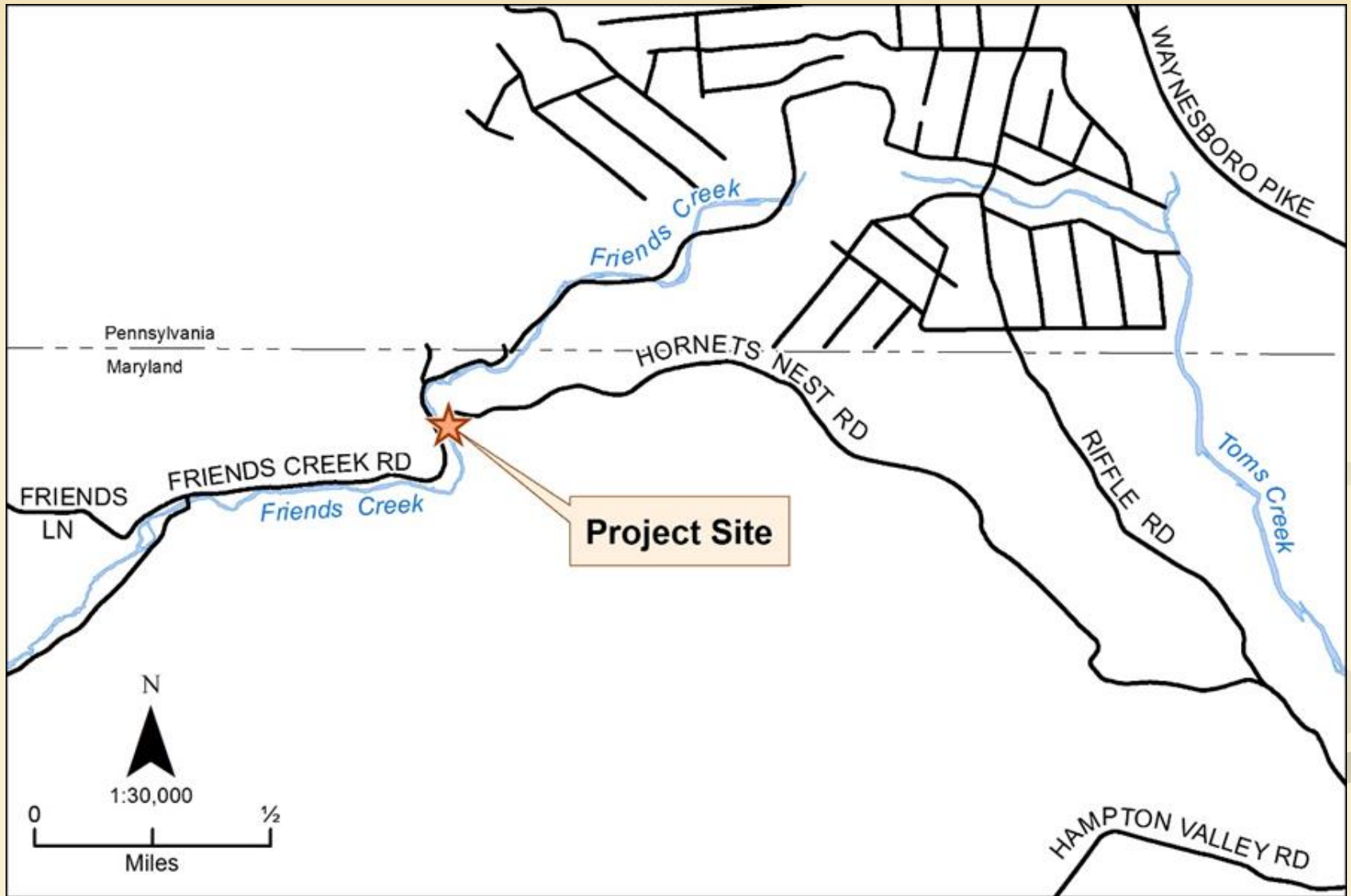
Amanda Radcliffe, P.E.
Project Manager

Jason Stitt, P.E.
Chief

Michelle Hurney
Facilities and Property Acquisitions Manager

Contact information provided in handouts

Bridge Project Location Map



Meeting Agenda

- Existing Bridge Background
- Project Overview
- Schedule and Budget
- Study Elements
- Concept Designs
- Maintenance of Traffic (M.O.T.)
- Right-of-Way
- Public Comments/Questions

Existing Bridge No. 05-22 Background

Emmitsburg, Maryland



- **County Capital Improvement Program (CIP) Project**
- **Existing Bridge (Installed 1981)**
 - **Five (5) cell bituminous coated corrugated metal pipe culvert with concrete headwalls and wingwalls**
 - **Each pipe is 3'-6" wide by 2'-4" high**
 - **39' (in length) by 18' (wide) Located over Friends Creek**
 - **Hornets Nest Road – 2-Way Traffic, 2-Lane Local Road**

Project Overview


- Project Goal: To replace the existing structure with a new 2- 11' lane bridge meet modern traffic needs and standards
 - Design Storm
 - Approach Roadway Improvements
 - Legal loads
- Traffic Volumes:
 - 154 ADT (2007)
 - 97 ADT (2015)
- Crash History: No documented crashes at the bridge location from 2014 - 2019

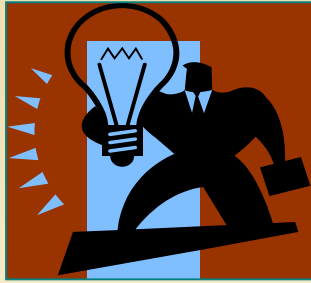


Project Schedule and Budget

- **Design Phase FY 2019 – 2021**
- **Construction Phase FY 2021 – 2022**
- **Funding Sources**
 - **Federal 80%/County 20%: construction**
 - **County 100% for remaining project activities**

H & H Report Elements

- **Hydrology/Hydraulics**
 - **Road Alignment & Typical Section**
 - **Bridge Type**
 - **Environmental Impacts**
 - **Maintenance of Traffic**
 - **Right-of-Way**
 - **Utilities**
- 
- Decorative wavy lines in shades of beige and light brown, flowing from the bottom right towards the center of the slide.



Bridge Alternatives (Concept Designs)

- Alternative 1: Single-Span Prestressed Concrete Slab
- Alternative 2: Single-Span Prestressed Concrete Beam
- Alternative 3: Twin Cell Concrete Box Culvert

Alternative 1 – Prestressed Concrete Slab Bridge



Ballenger Creek Pike

Alternative 2 – Prestressed Concrete Beam Bridge



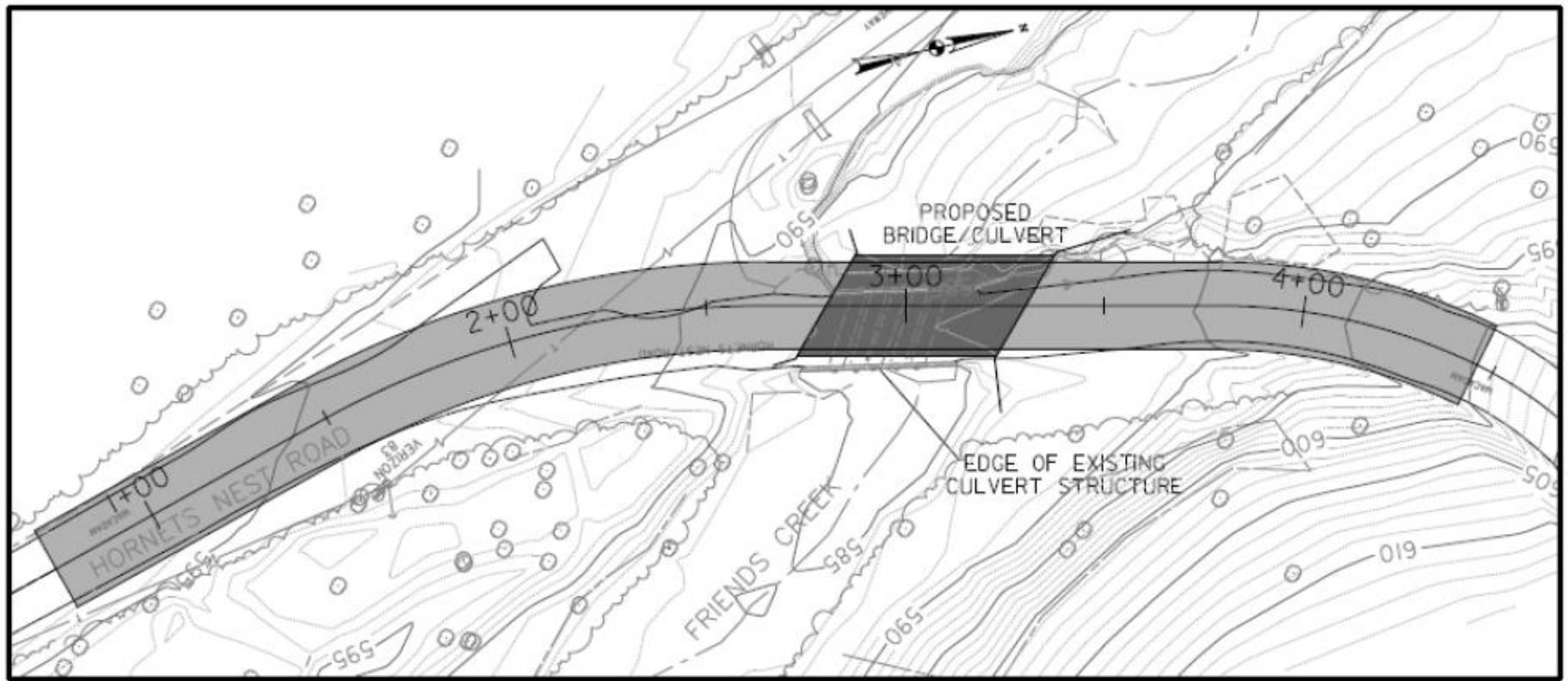
Terra Firma Road

Alternative 3 – Twin Cell Concrete Box Culvert

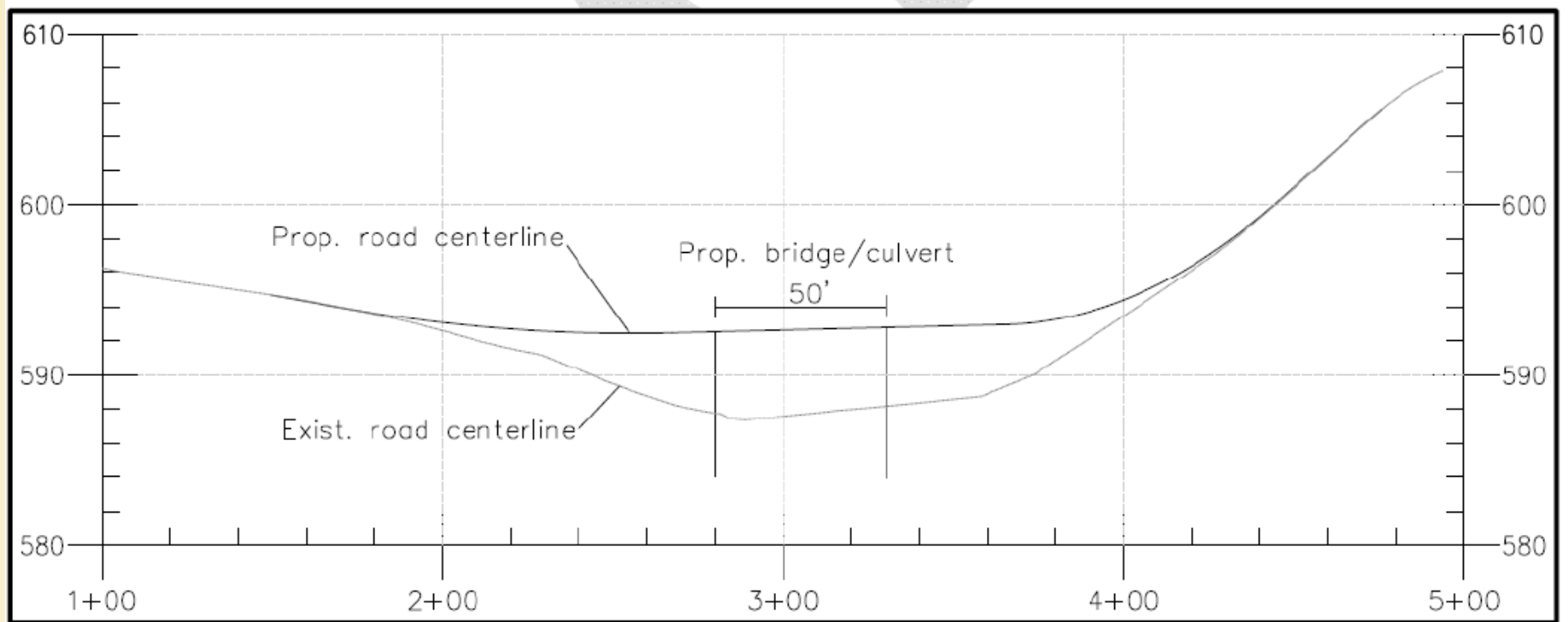


Mountville Road

Proposed Roadway Geometry



Proposed Profile



Maintenance of Traffic

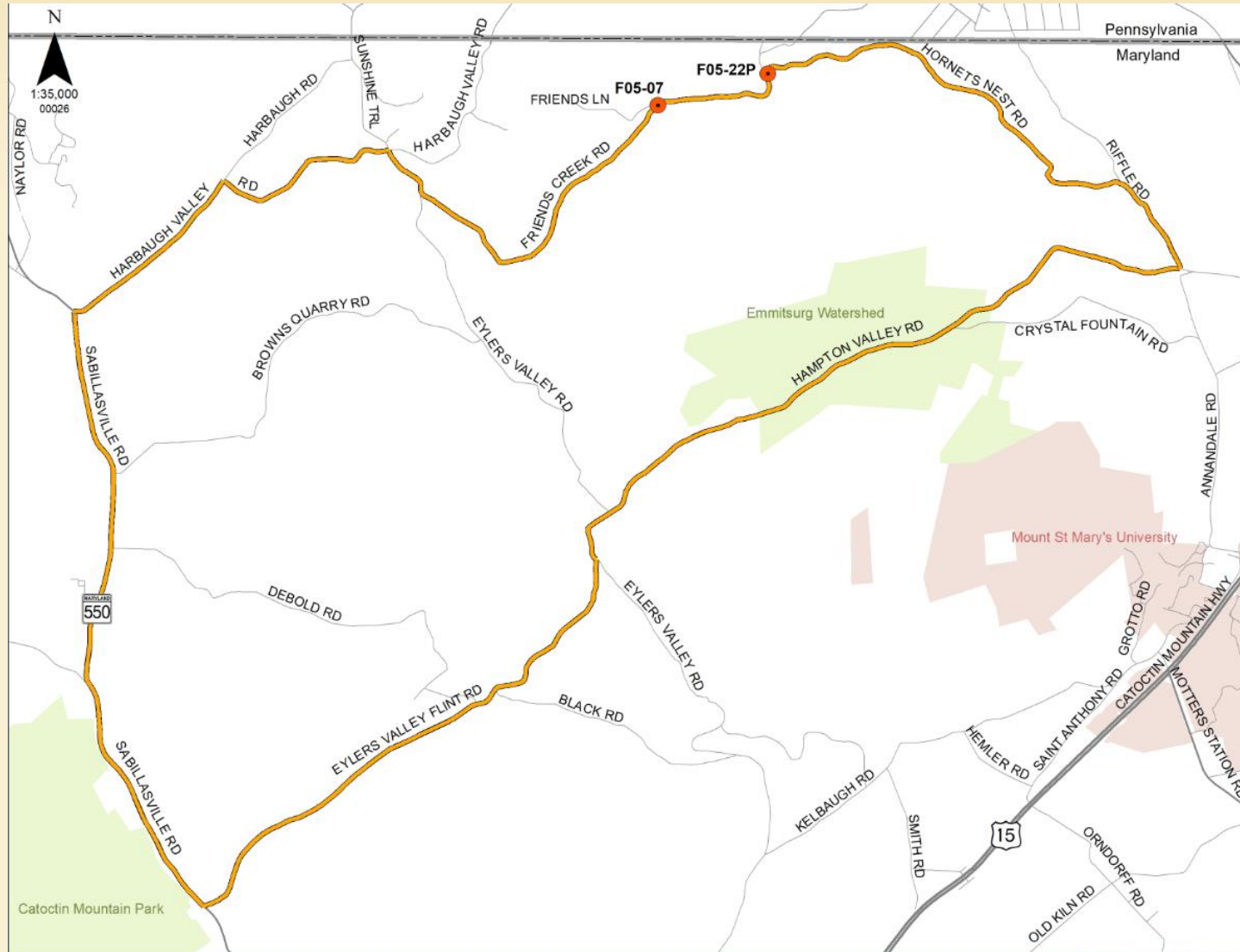
➤ H & H Study suggests and recommends using a Detour:

- Maximizes Safety for Motorists and Workers
- Low traffic volumes
- Minimizes impacts
- Constructability and MOT
- Cost effective

➤ Detour Coordination:

- State Highway Administration
- Emergency Services
- Frederick County Public Schools
- Public Input

Signed Detour Route Utilizes: Hornets Nest Road, Riffle Road, Hampton Valley Road, Eylers Valley Road, Eylers Valley Flint Road, MD 550, Harbaugh Valley Road, Sunshine Trail, Friends Creek Road



Right-of-Way

- **5 Potentially Impacted Properties**
- **Right-of-way and other easement needs are determined during final design phase**
- **Coordination with impacted property owners occurs throughout the design process**
- **After right of way needs are determined, appraisals are completed and offers are made**
- **Right-of-Way handout is available if interested**

Comments/Questions?

- Please be sure to put your comments in writing!
- Comments can be provided today or by April 19, 2019
- Meeting minutes from this meeting, including comments and responses, will be issued to everyone on the sign-in sheet

Thank You for your Time